

RQ-2017-09-18-16

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: L11 GasProject: SMP

- Notes: (1) Report all digits displayed for each measurement. Do not round before reporting measurements.
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 7/11/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Drew Liddix	9/18/17	745	23.4	8.5	8.5	100	66.5	0.78	P/F	L/F
ICV	//	//	747	23.4	8.5	8.5	100	66.5	-	P/F	L/F
CCV	//	//	1504	24.3	8.4	8.6	100	66.5	-	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Drew Liddix	9/18/17	749	2703046	3/19	1000	1000	P/F	L/F
ICV	//	//	751	2703621	3/19	100	100	P/F	L/F
CCV	//	//	1506	2511638	10/17	50 K	50056	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew Liddix	9/18/17	753	162571	4/18	7.0	7.0	-24.2	P/F	L/F
Calibr.			755	173531	5/19	4.0	4.0	152.9	P/F	L/F
Calibr.			757	163619	6/18	10.0	10.0	-198.7	P/F	L/F
ICV			759	163619	6/18	10.0	10.0	-198.7	P/F	L/F
CCV	//	//	1508	173531	5/19	4.0	4.0	152.3	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth verification 7/11/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.000 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Drew Liddix	9/18/17	801	0.000	0.000	P/F	L/F

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

COMMENTS: